

 **PIONEER®**

Service Manual

SPEAKER SYSTEMS

HPM-500 /CA,G

HPM-700 /CA,G

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1. SPECIFICATIONS

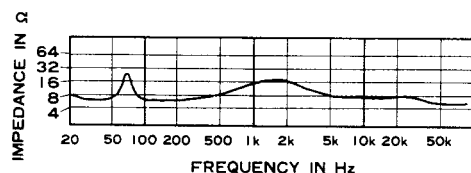
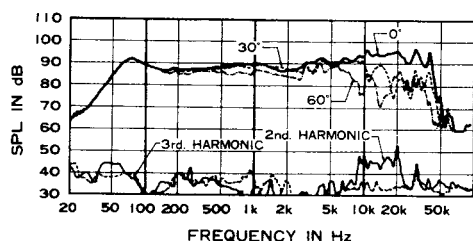
HPM-500

Enclosure Book-shelf style, Bass-reflex type
System 3-speaker, 3-way system
Loudspeakers:

Woofers	25cm (10in) cone type, PG cone
Tweeter	4.5cm (1-3/4in) cone type, PG cone
Super tweeter	Horn loaded high polymer type
Nominal Impedance	8ohms
Frequency Range	35 to 50,000Hz
Sensitivity	91dB/W at 1m distance
Maximum Input Power	80W
Rated Input Power	40W
Crossover Frequency	2,500Hz, 8,000Hz
External Dimensions	325(W) x 570(H) x 317(D)mm 12-13/16(W) x 22-7/16(H) x 12-1/2(D)in
Weight	12.2kg/26lb 14oz

NOTE:

Specifications and design subject to possible modification without notice, due to improvements.



HPM-700

Enclosure Book-shelf style, Bass-reflex type
System 4-speaker, 4-way system

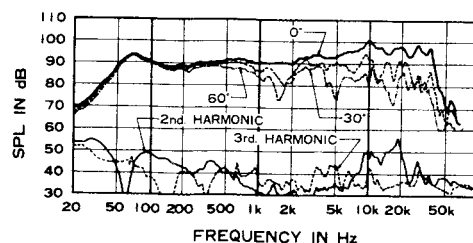
Loudspeakers:

Woofer	25cm (10in) cone type, PG cone
Mid-range	10cm (4in) cone type, PG cone
Tweeter	4.5cm (1-3/4in) cone type, PG cone
Super tweeter	Horn loaded high polymer type
Nominal Impedance	8ohms
Frequency Range	35 to 50,000Hz
Sensitivity	92.5dB/W at 1m distance
Maximum Input Power	120W
Rated Input Power	60W
Crossover Frequency	1,700Hz, 3,000Hz, 16,000Hz
External Dimensions	350(W) x 610(H) x 321(D)mm 13-25/32(H) x 24(H) x 12-5/8(D)in
Weight	14.7kg/32lb 6oz

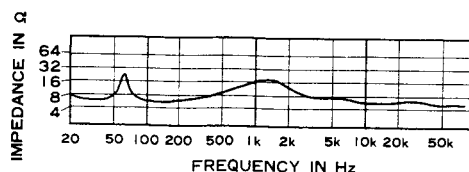
NOTE:

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FREQUENCY RESPONSE & HARMONIC DISTORTION

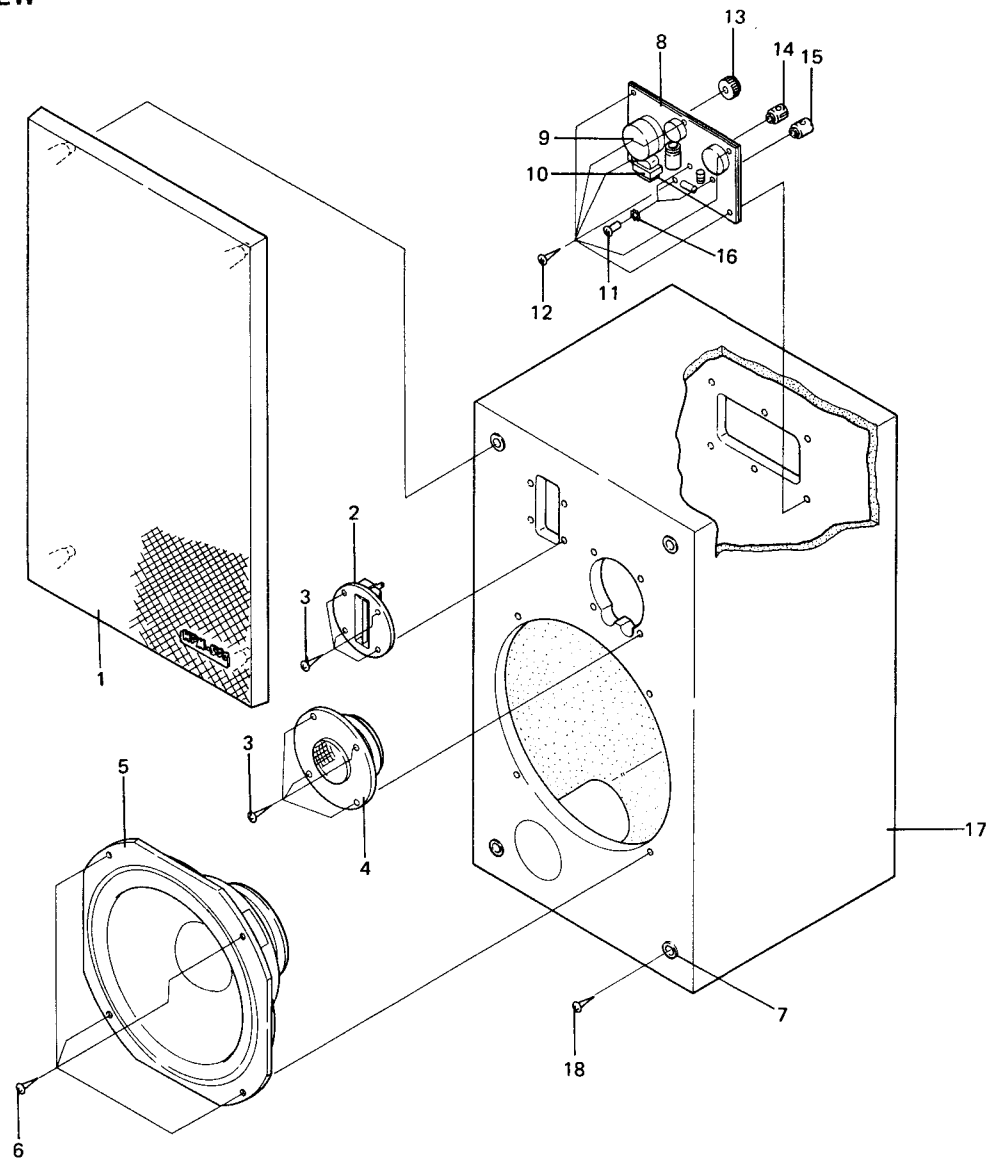


IMPEDANCE



2. HPM-500

EXPLODED VIEW



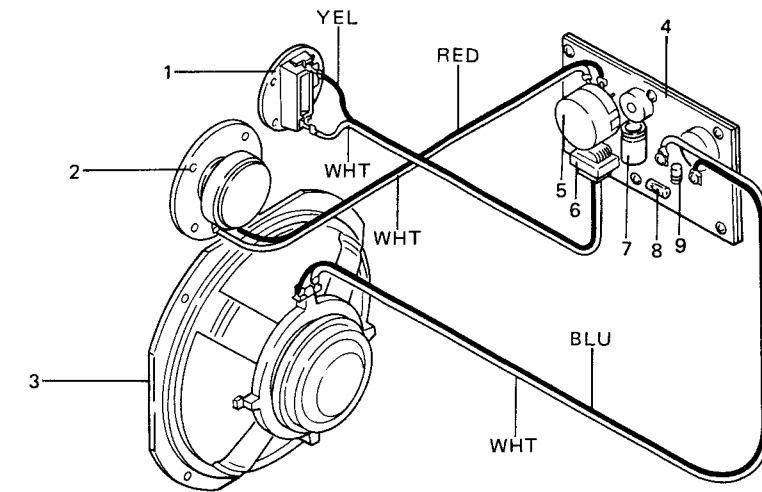
Parts List

NOTES:
• Parts without part number cannot be supplied.

Key No.	Part No.	Description
1.	SMG-230	Grill
2.	HP-018A	Super tweeter
3.	BNC40P200FZK	Screw
4.	45-717A	Tweeter
5.	25-750A	Woofer
6.	BNC50P200FZK	Screw
7.	SEB-075	Catch
8.	SWN-250	Network assembly
9.	SCS-015	Attenuator
10.	STV-024	Transformer

Key No.	Part No.	Description
11.	BMZ30P080FMC	Screw
12.	RWC35P130FMC	Screw
13.	SAA-022	Knob
14.	SKE-008	Terminal (RED)
15.	SKE-007	Terminal (BLACK)
16.	WH30FMC	Washer
17.		Cabinet
18.	SBA-076	Screw

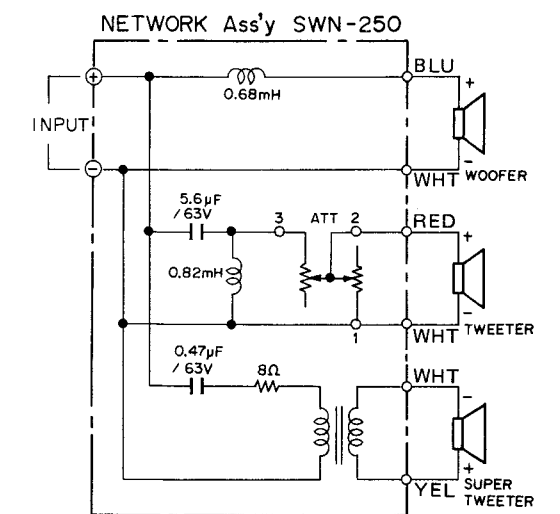
WIRING DIAGRAM



Parts List

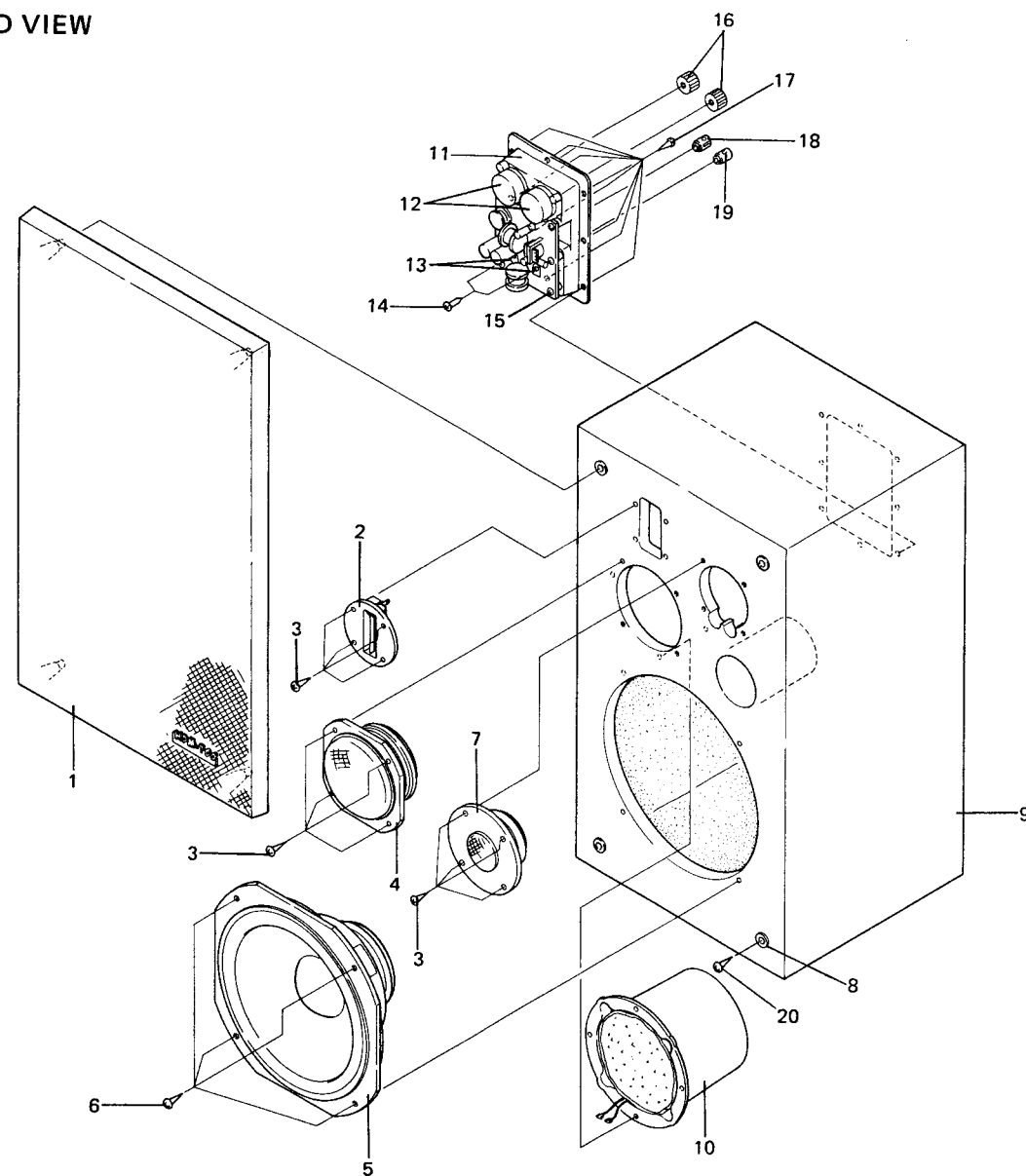
Key No.	Part No.	Description
1.	HP-018A	Super tweeter
2.	45-717A	Tweeter
3.	25-750A	Woofer
4.	SWN-250	Network assembly
5.	SCS-015	Attenuator
6.	STV-024	Transformer
7.	CES04 5R6K 63	Capacitor
8.	RTF2Q8R0J28AL	Resistor
9.	CES04 R47K 63	Capacitor

NETWORK CIRCUIT



3. HPM-700

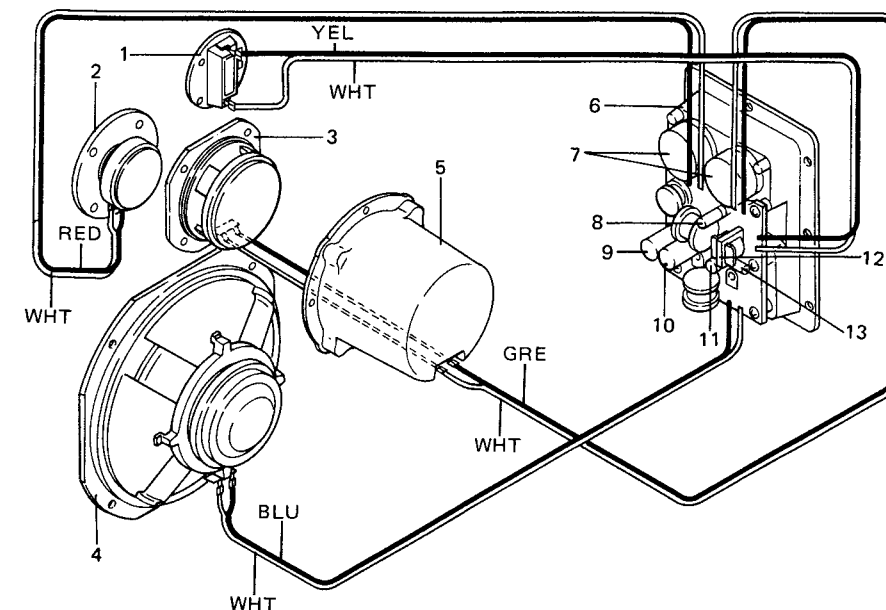
EXPLODED VIEW



Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
1.	SMG-231	Grill	11.	SWN-251	Network assembly
2.	HP-018A	Super tweeter	12.	SCS-015	Attenuator
3.	BNC40P200FZK	Screw	13.	WH30FMC	Washer
4.	10-734A	Mid range	14.	BMZ30P160FMC	Screw
5.	25-750A	Woofer	15.	VTZ30P080FMC	Screw
6.	BNC50P200FZK	Screw	16.	SAA-022	Knob
7.	45-717A	Tweeter	17.	QWC31P160FZK	Screw
8.	SEB-075	Catch	18.	SKC-050	Terminal (RED)
9.		Cabinet	19.	SKC-046	Terminal (BLACK)
10.		Back chamber	20.	SBA-076	Screw

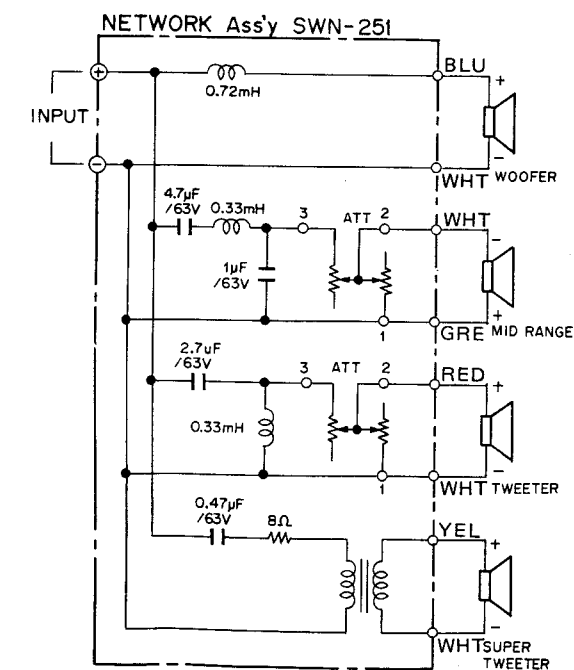
WIRING DIAGRAM



Parts List

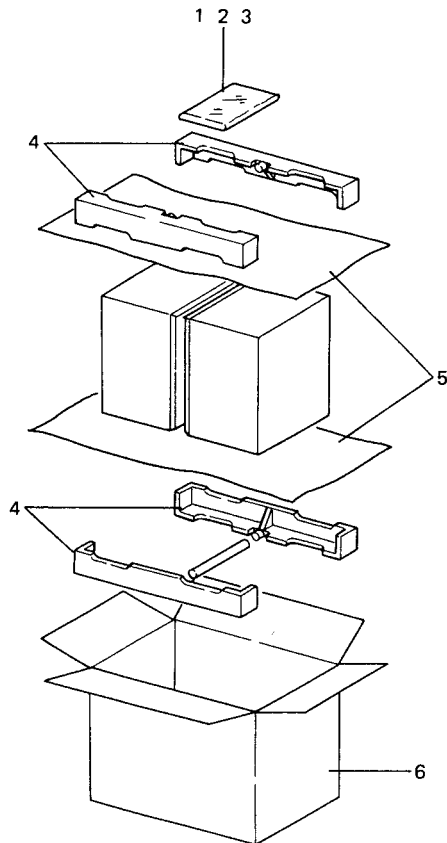
Key No.	Part No.	Description
1.	HP-018A	Super Tweeter
2.	45-717A	Tweeter
3.	10-734A	Mid range
4.	25-750A	Woofer
5.		Back chamber
6.	SWN-251	Network assembly
7.	SCS-015	Attenuator
8.	CES04 1R0K 63	Capacitor
9.	CES04 2R7K 63	Capacitor
10.	CES04 4R7K 63	Capacitor
11.	CES04 R47K 63	Capacitor
12.	STV-013	Transformer
13.	RTF2Q8R0J28AL	Resistor

NETWORK CIRCUIT



4. PACKING

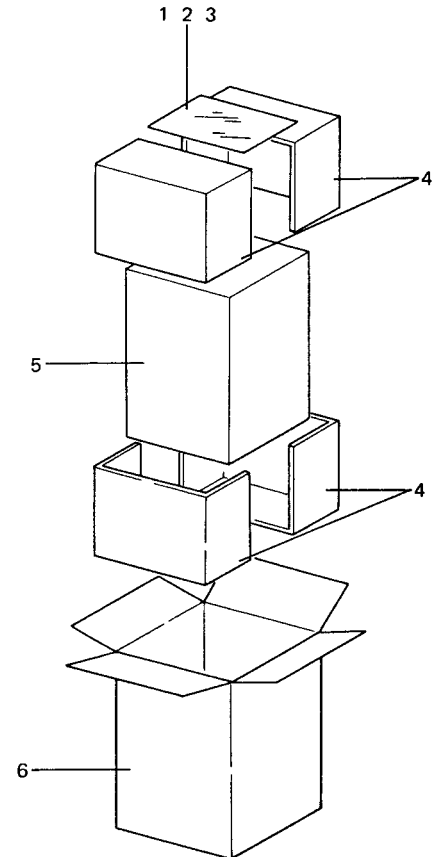
HPM-500/CA



Parts List (HPM-500/CA)

Key No.	Part No.	Description
1.	SHL-185	Vinyl bag
2.	SRB-238	Operating guide
3.	KDD-012	Cord
4.	SHA-402	Pad
5.	SHL-183	Cover
6.	SHG-434	Packing case

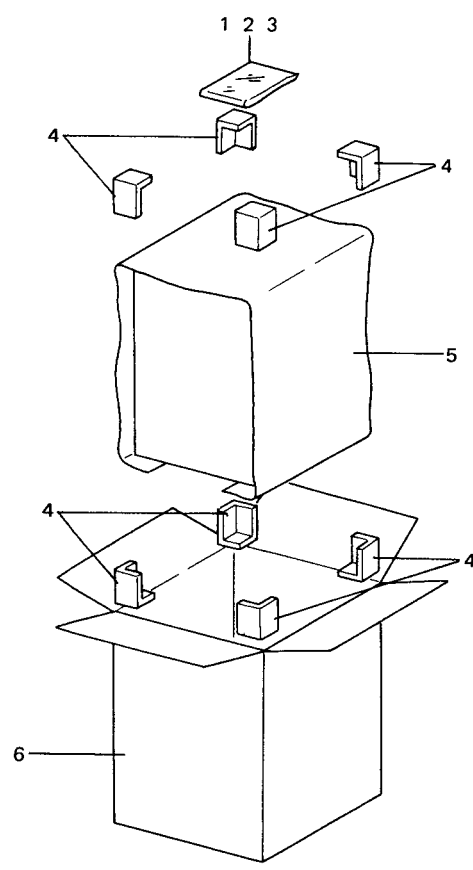
HPM-500/G



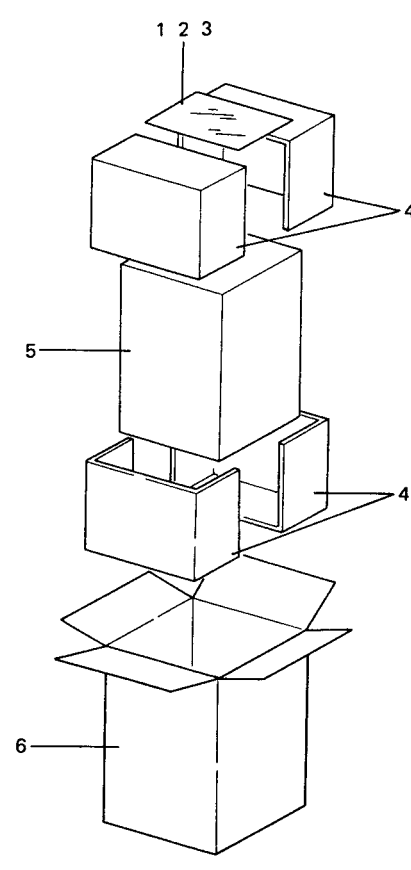
Parts List (HPM-500/G)

Key No.	Part No.	Description
1.	SHL-185	Vinyl bag
2.	SRB-238	Operating guide
3.	KDD-012	Cord
4.	SHA-134	Pad
5.	SHL-040	Cover
6.	SHG-433	Packing case

HPM-700/CA



HPM-700/G



Parts List (HPM-700/CA)

Key No.	Part No.	Description
1.	SHL-185	Vinyl bag
2.	SRB-236	Operating guide
3.	KDD-012	Cord
4.	SHA-102	Pad
5.	SHL-168	Cover
6.	SHG-430	Packing case

Parts List (HPM-700/G)

Key No.	Part No.	Description
1.	SHL-185	Vinyl bag
2.	SRB-236	Operating guide
3.	KDD-012	Cord
4.	SHA-135	Pad
5.	SHL-041	Cover
6.	SHG-429	Packing case